

Technical Purchase Description (TPD) for Shipboard Air Fresheners/Deodorizers

1. Scope

This Technical Purchase Description (TPD) covers the requirements for shipboard air deodorizers/fresheners which shall eliminate odors from stale cigarette and cigar smoke, urine and fecal matter, vomit, food spillage, garbage, cooked foods and perspiration. These deodorizers are intended to be used in berthing spaces, heads, washrooms, and general habitability areas. This TPD does not include air deodorizers in aerosol cans or deodorant cakes/solids used in toilets and urinals.

2. Types

2.1 Air-wick type: Concentrated liquid deodorant in a wick bottle dispenser.

2.2 Gel type: Odor counteractant in a gel matrix.

2.3 Liquid type: Liquid concentrate deodorizer, which upon manufacturer's recommended dilution ratio, shall be dispersed in a plastic hand-pumped dispenser.

3. Sizes (Will vary with manufacturers)

4. Requirements

4.1 Prohibited Materials

4.1.1 Carcinogens: The materials used in the air deodorizer shall not contain any known or suspected human carcinogens in concentrations equal to or greater than 0.1% (by weight) as defined in: Code of Federal Regulations 29 CFR 1910.1000 Series, Occupational Safety and Health Administration (OSHA) Subpart Z Regulated Carcinogens/Toxic and Hazardous Substance List (latest edition); International Agency for Research on Cancer (IARC) Groups 1, 2A, and 2B (latest edition); and the latest annual report of the National Toxicology Program's (NTP) of Known to be Human Carcinogens, and Reasonably Anticipated to be Human Carcinogens.

4.1.2 Reproductive Hazards: The materials used in the air deodorizer shall not contain the following occupational reproductive hazardous chemicals if used in concentrations equal to or greater than 0.1 percent (by weight): acetohydroxamic acid, aminopterin, arsenic, benomyl, benzene, bromoxynil, cadmium, carbon disulfide, carbon monoxide, chlordecone, cyanazine, cycloheximide, cyhexatin, dinocap, dinoseb, 1,2-dibromo-3-chloropropane, m-dinitrobenzene, o-dinitrobenzene, p-dinitrobenzene, epichlorohydrin, ethylene glycol monoethyl ether, ethylene glycol monoethyl ether acetate, ethylene glycol monomethyl ether, ethylene monomethyl ether acetate, ethylene oxide, hexachlorobenzene, hydroxurea, lead, mercury and mercury compounds, methyl bromide, methyl mercury, nickel carbonyl, polybrominated biphenyls, polychlorinated

biphenyls, 2,3,4,8-tetrachloro-dibenzo-para-dioxin, toluene, and warfarin and any other chemical species listed in OPNAVINST 5100.23, Chapter 29, Appendix 29-B. The most current version of the instruction can be obtained from the internet website: <http://www.navosh.net>.

4.2 Hazardous Waste: The air deodorizer shall not be classified as a hazardous waste in accordance with 29 CFR 261.

4.3 Shelf Life. The air deodorizers shall have a minimum shelf life of 36 months.

4.4 Material Safety Data Sheets (MSDS). The contracting activity shall be provided a material safety data sheet with each contract bid/proposal or prior to contract award. The MSDS shall be provided in accordance with the requirements of FED-STD-313 and 29 CFR 1910.1200, Hazardous Communication Standard. The MSDS shall be included with each shipment of the material covered by this TPD. The MSDS must be the most current version for the product.

4.5 Flash Point: Flash point of the air deodorizer shall be greater than 140 F when tested as specified in ASTM D 56.

4.6 Volatile Organic Compounds (VOCs): VOC content of the air deodorizers shall be stated as a percent of VOCs by weight. The in-use liquid form shall not exceed 18% and the gel shall not exceed 3% VOCs by weight in accordance with 40 CFR 59.214 Table 1.

5. Regulatory Requirements

5.1 Recycling. The contractor is encouraged to use recovered materials, in accordance with Public Law 94-580, to the maximum extent practicable.

6. Quality Assurance Provisions

6.1 Contractor Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the requirements of this TPD and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product offered for sale in the commercial market place. The Government reserves the right to require proof of such conformance prior to first delivery, and thereafter as may be otherwise provided for under the provisions of the contract.

6.2 Market Acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this TPD:

a) The company furnishing the air deodorizer must have been producing a product meeting the requirements of this technical purchase description for at least 6 months.

b) The Government reserves the right to require proof of such conformance.

7. Packaging

7.1 The item(s) shall be packaged and packed in accordance with the latest revision of ASTM D 3951, Standard Practice for Commercial Packaging unless specified in the contract or purchase.

8. Source of Documents

8.1 Copies of the Code of Federal Regulations (CFR) and Federal Acquisition Regulation (FAR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Website: HYPERLINK <http://www.access.gpo.gov/nara/cfr/cfr-table-sarch.html>.

8.2 Copies of all IARC publications may be obtained directly from IARCPress, 150 Cours Albert Thomas, F-69372 Lyon cedex 08, France (Fax: +33 4 72 73 83 02; E-mail press@iarc.fr).

8.3 Copies of the most recent Annual Report on Carcinogens may be obtained from the U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program, P.O. Box 12233, Research Triangle Park, NC 27709. Website: HYPERLINK <http://ntp-server.niehs.nih.gov/NewHomeRoc/AboutRoC.html>

8.4 Copies of Federal and Military Standards may be obtained from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Copies of Federal Standards may be obtained from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Website: <http://www.dodssp.daps.mil>.

8.5 ASTM standards may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. Phone: 610-832-9585, Fax: 610-832-9555, Website: HYPERLINK <http://www.astm.org>, email: service@astm.org.

8.6 Copies of Public Law 94-580 "Resource Conservation & Recovery Act" (RCRA) may be obtained from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.